

## ABSTRACT OF THE DISCLOSURE

A dual-mode analog baseband circuit is implementable on a single IC with reduced chip  
5 area. The baseband portion of the IC includes a single dual-mode complex filter that is  
reconfigurable to be a filter for Bluetooth signals or for wireless local area network  
(wireless LAN) format signals, such as 802.11b, and includes a single dual-mode  
amplifier that is reconfigurable to amplify Bluetooth signals or wireless LAN format  
signals.

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